

# TMC Monthly Operational Summary

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Bureau of Transportation Systems Management & Operations (TSMO)

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## ***NH Department of Transportation's Mission***

*Transportation excellence enhancing the quality of life in New Hampshire.*

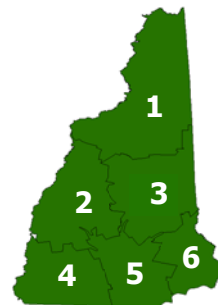
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## ***Transportation Management Center's Mission***

*The Transportation Management Center's mission is to detect, verify, and respond to incidents that affect the state transportation network. It serves to improve traffic operations, provide the public with current, accurate and useful travel and commuter information that promotes safe and efficient travel, as well as facilitates the maintenance of New Hampshire's transportation system.*

## New Hampshire Transportation Management Center Coverage Areas by District

The State of New Hampshire is divided into six Districts and the New Hampshire Turnpike System comprising of approximately 9,266 lane miles.



## Permanent ITS Equipment List

### Closed-Circuit Television (CCTV) Cameras

	2018 Total	2019 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	97	103



### Dynamic Message Signs (DMS)

	2018 Total	2019 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	56	57
	16 <sup>1</sup>	15 <sup>1</sup>
	20 <sup>2</sup>	20 <sup>2</sup>



<sup>1</sup> Additional DMS that TSMO uses during the winter season.

<sup>2</sup> TSMO is responsible for an additional ~20 DMS for the department.

### Road Weather Information System (RWIS)

	2018 Total	2019 Total
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.	24	25



### Variable Speed Limit Sign (VSL)

	2018 Total	2019 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	20	20



### Motor Vehicle Detection System (MVDS)

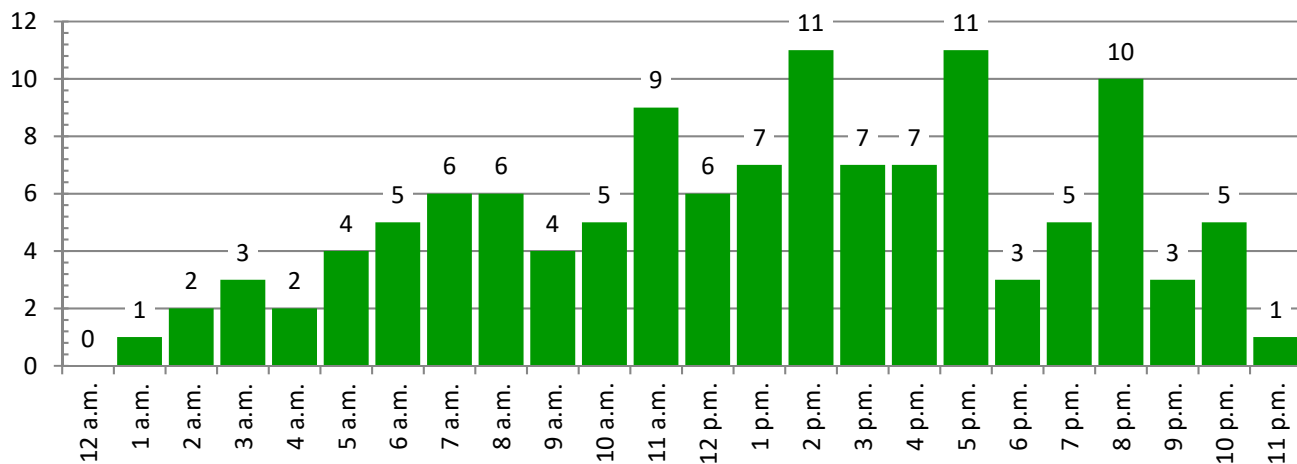
	2018 Total	2019 Total
MVDS are sensors that collect speed and volume data.	7	8



# Summary

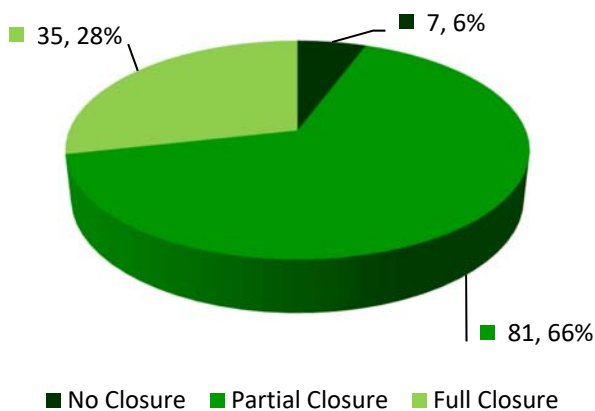
	Current Month	2019 Total
<b>Unplanned Incidents</b>		
	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	123	1,236
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	509	2,506
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,322	30,628
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	2,554	13,432
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	30,720	171,274
<b>Public Outreach</b>		
	<b>Total NHTMC.com Webpage Users</b>	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,158	11,652
<b>Storm Desk Activations</b>		
	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	3

# Unplanned Incidents



Increased staffing within the TMC is necessary during normal business hours to better facilitate daily operations while also managing unplanned incidents. Incidents are tracked by the time at which the operators are notified of the start of the event.

## Current Month - Incidents by Type



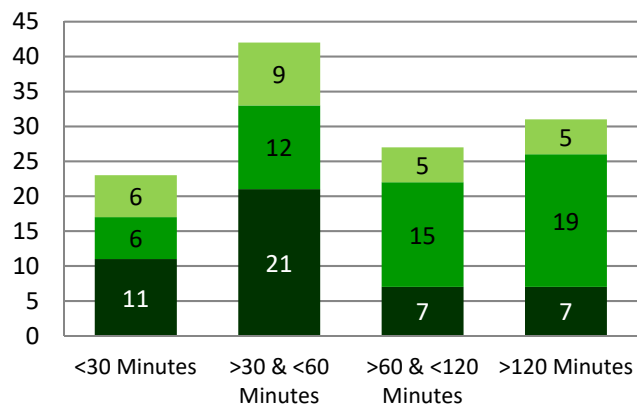
This graph shows the type of incident totals for the month.

### Types of Incidents:

- No Closure:** No lane closures occurred during the incident.
- Partial Closure:** Only a part of the roadway was closed.
- Full Closure:** All lanes were closed during the incident.

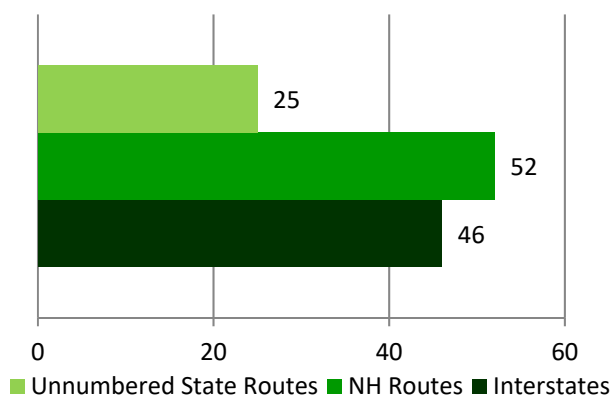
## Current Month - Incident Duration

This graph shows the duration history of incidents.

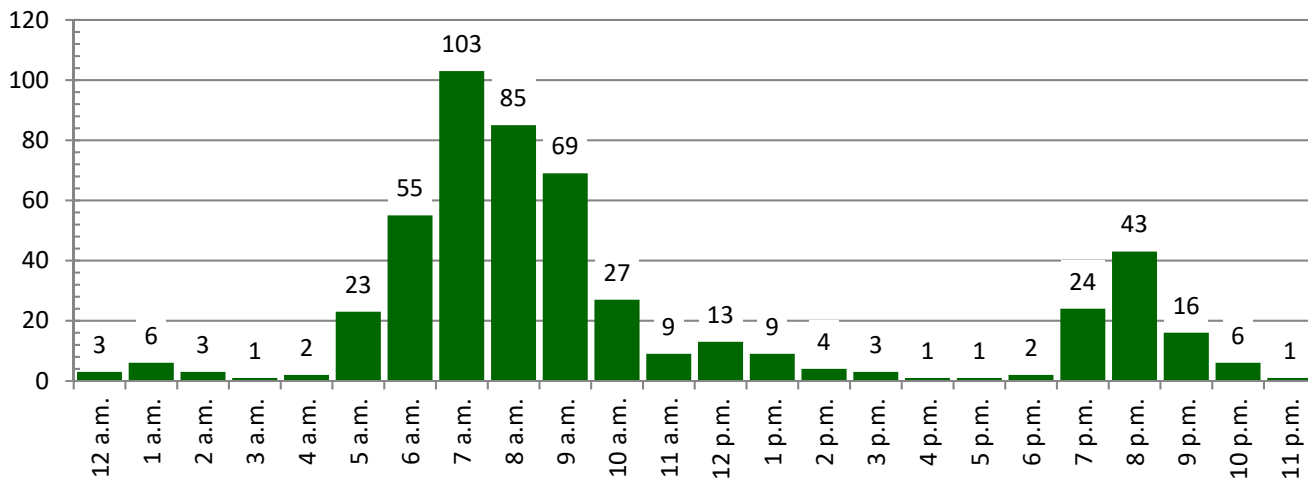


## Current Month - Incident by Road

This graph shows which type of roadway the incidents occurred on.

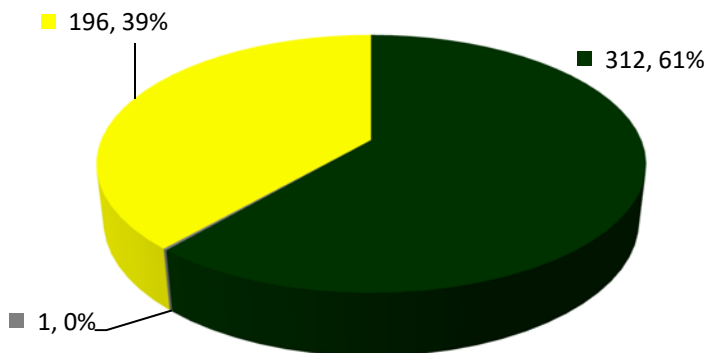


# Planned Events



Additional staffing within the TMC is necessary during peak hours to meet the demands of daily planned operations. Planned Events are tracked by the time at which the operators are notified of the start of the event.

## Current Month - Incidents by Type



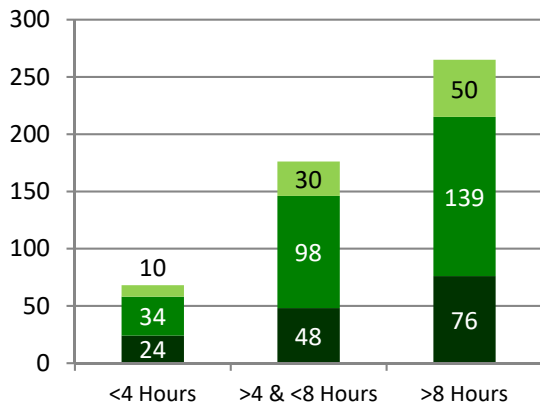
This graph shows the type of incident totals for the month.

Planned Events that impact the roadway, shoulder, or a ramp include events such as construction, bridge maintenance, or road maintenance. Each type could result in a partial closure or full closure.

- Construction (Partial Closure)
- Bridge Maintenance (Partial Closure)
- Road Maintenance (Partial Closure)
- Other
- Construction (Full Closure)
- Bridge Maintenance (Full Closure)
- Road Maintenance (Full Closure)

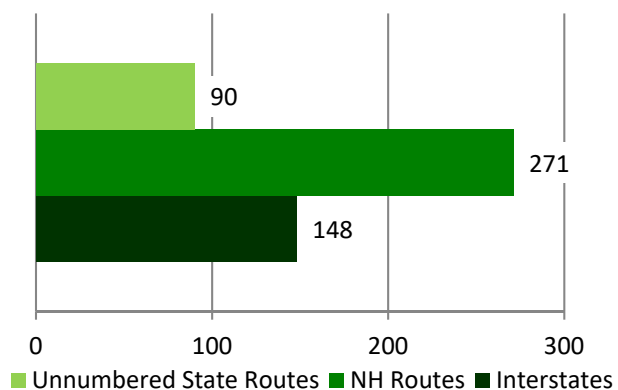
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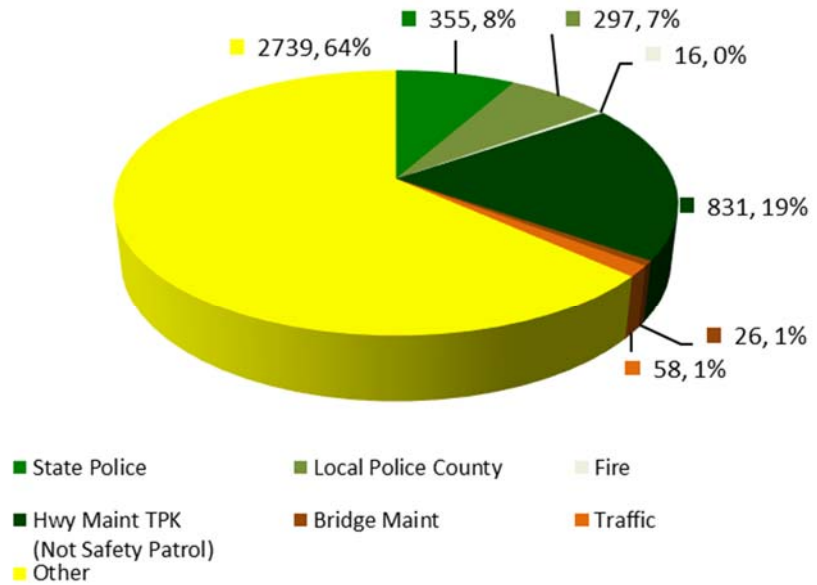
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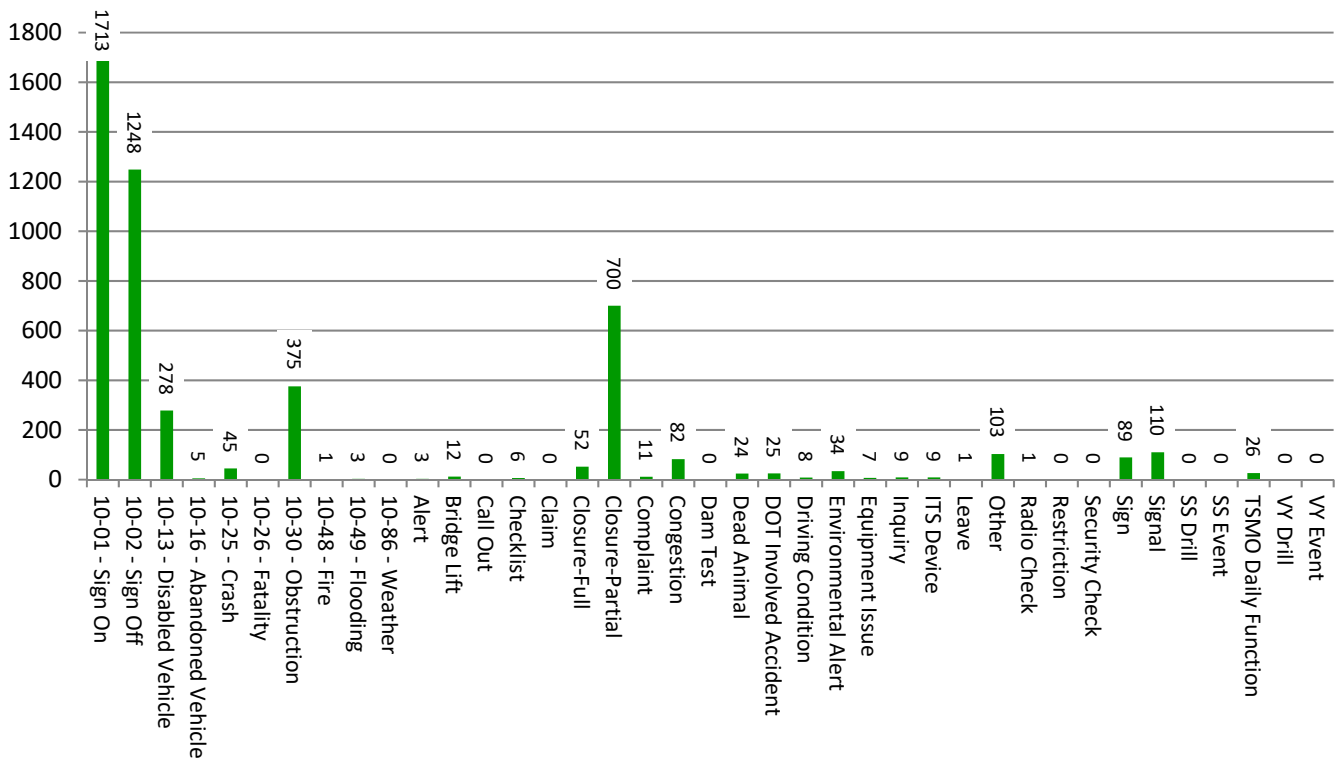
## Current Month - Calls by Type

Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



## Log Entries by Type

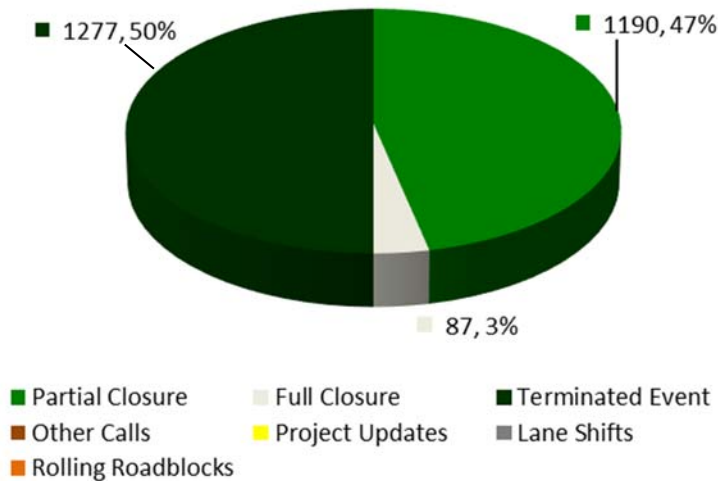
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

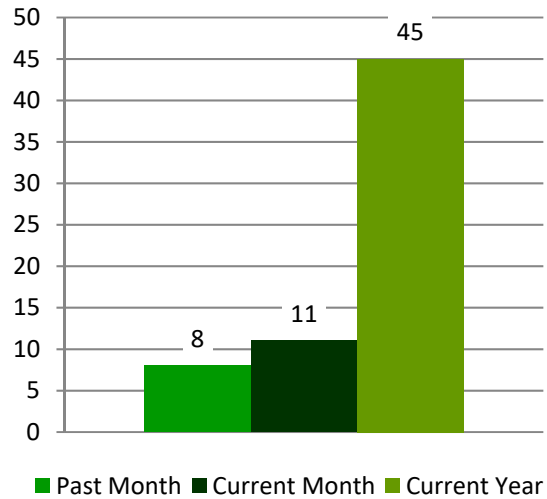
## Current Month – Construction Calls

This graph shows the different types of construction related calls that dispatchers received.

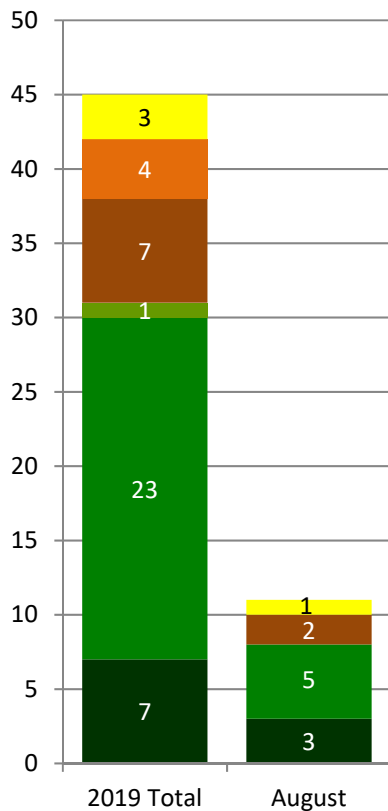


## Incidents Occurring in Work Zones

This graph shows the total number of incidents reported on Work Zone Crash Reports from the Bureau of Construction.

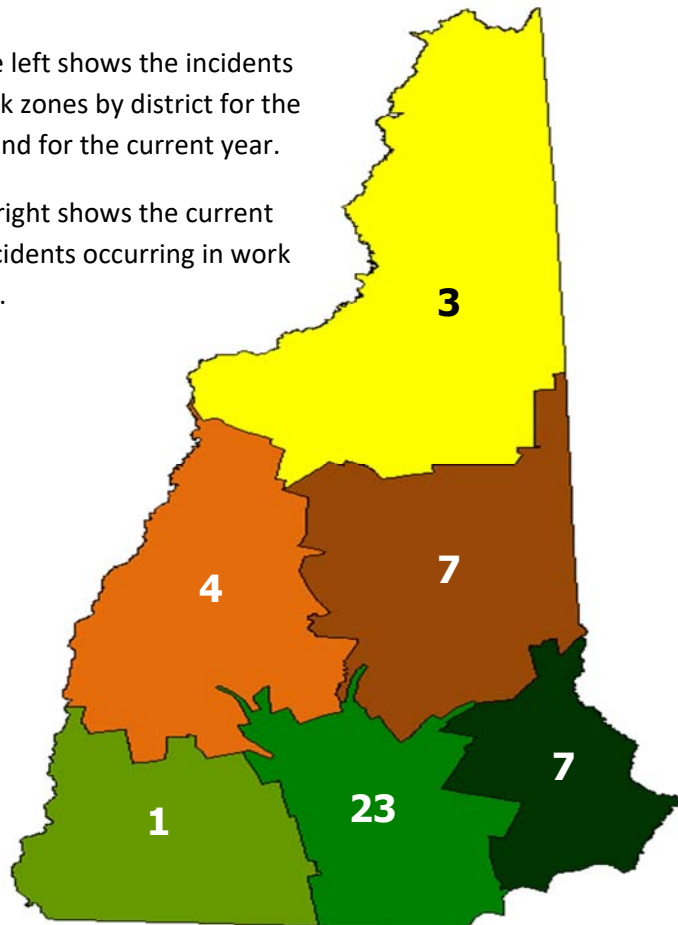


## Incidents Occurring in Work Zones by Location



The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

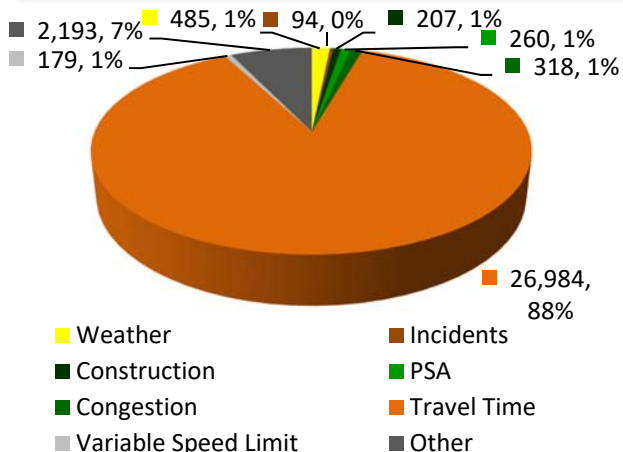
The map to the right shows the current year total for incidents occurring in work zones by district.



■ District 6  
 ■ District 5  
 ■ District 4  
■ District 3  
 ■ District 2  
 ■ District 1

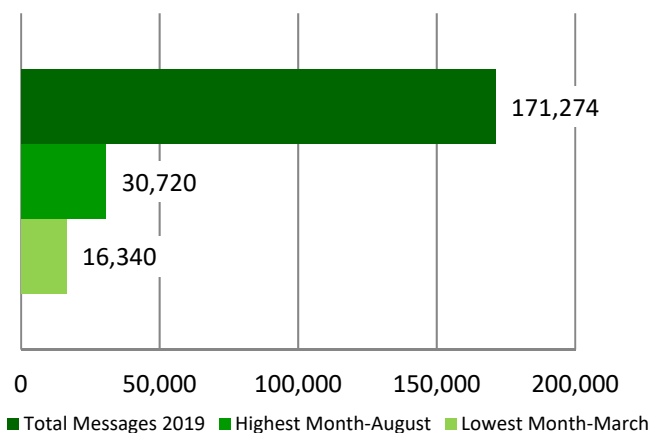
# DMS Messages

## Current Month - Messages by Type



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

## Total Messages - 2019



This graph shows the total messages that were posted to DMS for the year so far.

## Current Month - Total Messages Posted by Board

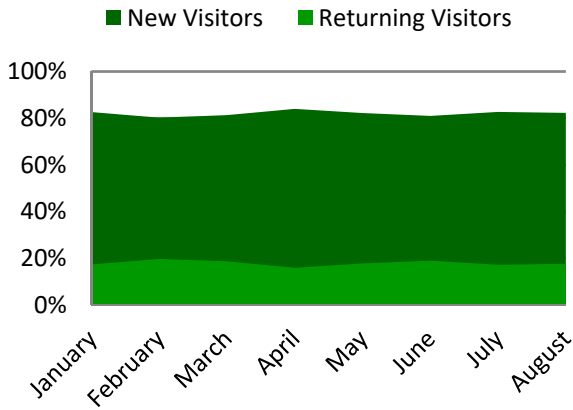
101 W 100.5 VSL D 5	1	93N 32.4 FSVT	82	ST S 24.4 FSVT	207
101 WM 100.5 VSL D 5	1	93N 36.2 FSVT	66	ST S 3.4 FSDT	2,902
101E 114.8 FSV6	135	93N 57.6 FSS3	32	ST S 7.8 FSAT	1,624
101E 53.4 FSV5	407	93N 7.2 FSD5	1,264	WA W 0.5 FSST	12
101W 102.6 FSV5	33	93N 76.4 FSV3	31		
101W 128 PSV6	23	93N 99.6 FSA3	21		
293 N 0.9 PCMS - SWZ M04	184	93S 122.2 FSV1	11		
293 S 1.4 VSL D 5	1	93S 13.8 PCMS - SWZ M11	428		
293 S 3.8 PCMS - SWZ M01	74	93S 14.4 VSL D5	44		
293N 8.8 FSPT	1,031	93S 14.4 VSL D5 Median	42		
293S 1.4 FSD5	65	93S 15.85 PCMS - SWZ M12	587		
293S 2.2 PCMS - SWZ M06	1,000	93S 2.6 PCMS - SWZ M08	274		
293S 4.8 FSVT	23	93S 20.1 PCMS - SWZ M13	758		
393 W 1.9 PSV5	16	93S 23.4 FSD5	544		
4E 92.4 FSS6	3	93S 27.8 FSDT	1,607		
4E 98 FSA6	2	93S 30.4 PSVT	47		
89N 1.8 FSV5	25	93S 32.4 FSVT	40		
89N 18.4 FSV5	248	93S 39.0 FSV5	54		
89N 35.5 FSV2	13	93S 43.3 PSV5	18		
89N 54.9 FSS2	7	93S 48.0 FSV5	43		
89S 10.8 FSV5	385	93S 5.2 PCMS - SWZ M09	311		
89S 3.4 FSV5	1,339	93S 68.8 FSV3	55		
89S 55.0 PSV2	8	93S 7.2 FSD5	139		
89S 57.7 FSS2	60	93S 85.4 FSV3	48		
93 N 0.3 VSL D 5	1	93S 99.2 FSA3	94		
93 N 2.35 VSL D 5	1	95N 0.4 FSVT	1,508		
93 N 3.8 VSL D5	1	95N 13.0 FSVT	40		
93 N 6.6 VSL D5	41	95N 14.8 FSDT	73		
93 NM 3.8 VSL D5	1	95N 3.0 FSDT	1,112		
93 NM 6.6 VSL D5	42	95N 4.6 PSVT	59		
93 S 2.2 VSL D 5	1	95S 15.4 FSDT	437		
93 SM 2.2 VSL D 5	1	95S 3.4 FSPT	4		
93 SM 5.2 VSL D5	1	95S 7.1 PSVT	34		
93N 0.0 PCMS - SWZ M01	1,832	95S 7.6 FSDT	398		
93N 0.3 FSD5	1,239	FEE N 1.2 FSVT	96		
93N 1.35 PCMS - SWZ M07	1,766	FEE N 16.2 PCMS - SWZ M03	481		
93N 10.95 PCMS - SWZ M04	1,008	FEE N 18 PCMS - SWZ M02	247		
93N 14.8 PCMS - SWZ M05	428	FEE N 18.8 FSVT	238		
93N 2.6 PCMS - SWZ M03	1,676	FEE S 8.6 FSPT	15		
93N 23.4 FSD5	1,100	ST N 1.0 FSAT	284		
93N 27.0 PSVT	50	ST S 11.6 FSA6	36		



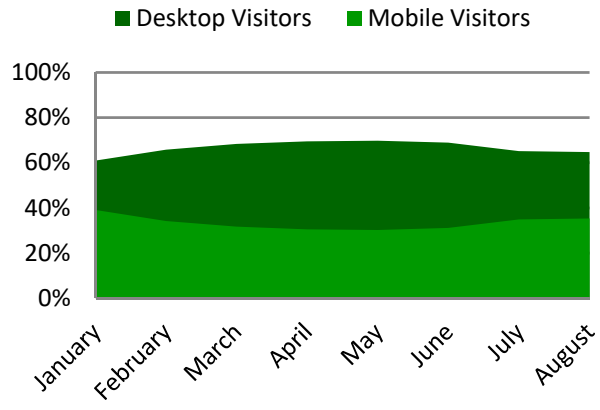
# Public Outreach

## 1,158 Users (Current Month) - NHTMC Website (www.nhtmc.com)

### New/Returning Visitors



### Desktop/Mobile Visitors



This graph shows the ratio of new/ returning users that visited the NHTMC website. A new visitor is a user accessing the website for the first time. A returning visitor is a user who has accessed the website earlier.

This graph shows the ratio of desktop/mobile visitors that accessed the NHTMC website.



39,010 Total Twitter Followers

